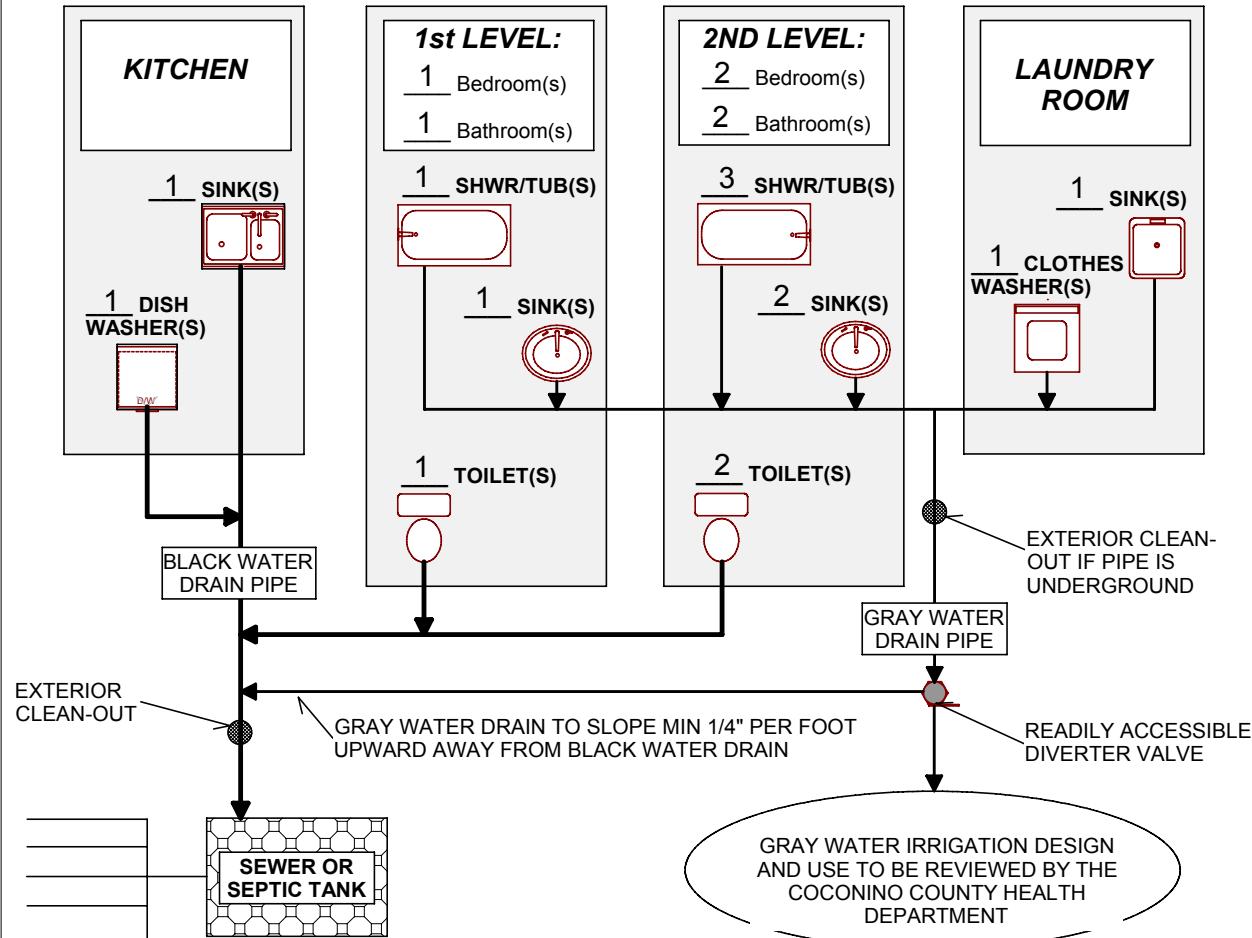


Coconino County GRAY WATER PLUMBING Worksheet

A gray water system in Coconino County is defined as select home drainage water being discharged for seasonal irrigation of permanent landscaping which shall be diverted back into the sewer/septic system during non-watering months or periods of flooding.

WORKSHEET INSTRUCTIONS:

- Specify the number of bedrooms, bathrooms and plumbing fixtures on each building level on the drawing below.
- Specify the gray and black water fixture units in the summary block to the right of the drawing.
- Identify the gray water fixtures on your floor plan(s) and where the gray water and black water drains exit the house.



OWNER / PROJECT

Owner: Nat Leonard

Telephone: (480) 897-7112

Property Address:

17369 Crowley Trail

Flagstaff, AZ

APN: 203-01-002T 2

Fixture Unit Summary

OF GRAY WATER FIXTURE UNITS: 21

OF BLACK WATER FIXTURE UNITS: 17

TOTAL # OF FIXTURE UNITS: 38

UNITS PER FIXTURE (from Aquifer Protection Permit Program)

| | |
|--------------------------|--|
| 2 - Bathtub | 1 - Sink, bar |
| 2 - Bidet | 3 - Sink, service |
| 2 - Dishwasher, service | 1 - Lavatory, single or double |
| 2 - Clothes washer | 3 - Toilet, less than 1.7 gal/flush |
| 2 - Utility tub or sink | 4 - Toilet, 1.7 to 3.2 gal/flush |
| 2 - Sink, kitchen | 6 - Toilet, greater than 3.2 gal/flush |
| 2 - Shower, single stall | |

GRAY WATER SYSTEM NOTES

- All drain pipe slope to be 1/4" per foot minimum.
- Black and gray water drains require separate drainage planes; gray water drainage plane to be higher than black water. Gray water flows through a second and separate drainage piping system in the house connecting to the sewer/septic through a diverter valve.
- An approved diverter valve may be located inside or outside the house and must be readily accessible for operation and maintenance.
- Gray water drain pipe to be 12" below grade at building exit, with clean-out. The gray water line may exit above grade or be less than 12 inches below grade (when protected from physical damage) when the diverter valve is inside the house in conditioned space.
- Gray water to stub out for future irrigation. Irrigation discharge to be 5' minimum from building foundation and 10' minimum from septic leach field.
- Gray water irrigation design to be reviewed by the Coconino County Health Department.